

1. (Twice Amended) A gas scrubber comprising:

a combustion chamber;

a wetting chamber placed below said combustion chamber to form a single unit;

a guide plate arranged between the combustion chamber and the wetting chamber for directing a gas from the combustion chamber into the wetting chamber; and

an injection nozzle having an opening adapted to deliver a conditioned gas above the guide plate for minimizing the production and/or accumulation of a powder at an interface between the combustion chamber and the wetting chamber.

6. (Twice Amended) The gas scrubber according to claim 5, wherein the combustion chamber comprises a relatively high temperature gas, wherein the wetting chamber comprises a relatively low temperature gas, and wherein the conditioned gas prevents the high temperature gas from coming in contact with a substantial portion of the low temperature gas.

7. (Thrice Amended) A gas scrubber comprising:

a combustion chamber for eliminating explosive and flammable elements contained in a gas delivered into the combustion chamber from a gas intake;

a wetting chamber placed below said combustion chamber to receive the gas from the combustion chamber and dissolve a water soluble element of the gas, wherein said wetting chamber comprises a plurality of partitions to direct the gas from said combustion chamber through a centralized region of the wetting chamber; and

a means for minimizing a powder produced at an interface between said combustion chamber and said wetting chamber.